## What is claimed is:

1	1.	A method of detecting for uterine contractions of a
2		uterus of an animal having a body to initiate uterine
3		contractions when uterine contractions are absent, the

4 method including the steps of:

uterine contraction.

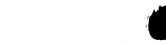
- placing first and second electrodes in contact

  with the body, the first electrode being placed in

  direct contact with the uterus;
- sensing electrical activity between the first and second electrodes;
- 10 detecting for uterine contractions from the
  11 sensed electrical activity; and
- providing electrical current flow between the first and second electrodes when uterine contractions are undetected.
- 2. A method as defined in Claim 1 wherein the providing step is performed when a uterine contraction is undetected within a predetermined time of an immediately preceding

- 1 3. A method as defined in Claim 1 wherein the providing step
- is performed when a uterine contraction is undetected
- 3 within a predetermined time from the beginning of an
- 4 immediately preceding uterine contraction.
- 1 4. A method as defined in claim 1 wherein the placing step
- 2 includes anchoring the first electrode to the uterus.
- 1 5. A method as defined in claim 1 wherein the placing step
- 2 includes passing the first electrode through skin of the
- 3 animal.
- 1 6. A method as defined in claim 1 wherein the placing step
- 2 includes releasably anchoring the first electrode to the
- 3 uterus.
- 1 7. A method as defined in claim 6 wherein the placing step
- 2 further includes anchoring the first electrode to the
- 3 myometrium.
- 1 8. A method as defined in claim 1 wherein the placing step
- 2 includes contacting the second electrode with the
- 3 uterus.

- 1 9. A method as defined in claim 8 wherein the contacting
- 2 step further includes anchoring the second electrode to
- 3 the uterus.
- 1 10. A method as defined in claim 8 wherein the contacting
- 2 step further includes passing the second electrode
- 3 through skin of the body.
- 1 11. A method as defined in claim 8 wherein the contacting
- 2 step further includes placing the second electrode in
- 3 direct contact with the myometrium.
- 1 12. A method as defined in claim 11 wherein the contacting
- 2 step further includes anchoring the second electrode to
- 3 the myometrium.
- 1 13. A method as defined in claim 8 wherein the second
- 2 electrode is a surface electrode and wherein the
- 3 contacting step includes making surface contact between
- 4 the second electrode and the body.



- 1 14. A method as defined in claim 13 wherein the contacting
- 2 step further includes making surface contact between the
- 3 surface electrode and a posterior portion of the body.
- 1 15. A system for detecting for uterine contractions and
- 2 stimulating a uterus of an animal having a body to
- 3 initiate uterine contractions when uterine contractions
- 4 are absent, the system comprising:
- 5 a first electrode;
- a first anchor for anchoring the first electrode to
- 7 the uterus of the animal;
- 8 return current path establishing means for
- 9 establishing a return current path within the body, the
- 10 return current path including the first electrode;
- a sense amplifier coupled to the first electrode
- 12 for sensing electrical activity of the body;
- a detector coupled to the sense amplifier for
- 14 detecting for contractions of the uterus from the sensed
- 15 electrical activity; and
- a source of electrical energy coupled to the first
- 17 electrode and responsive to the detector failing to
- 18 detect uterine contractions for providing electrical

- energy to the body along the return current path for initiating contractions of the uterus.
  - 1 16. A system as defined in claim 15 wherein the detector 2 includes a timer for timing the time since a last 3 uterine contraction and wherein the source is responsive 4 to the timer timing a predetermined time period since 5 the last uterine contraction for providing the electrical energy for initiating contractions of the 6 7 uterus.
  - 1 17. A system as defined in claim 15 wherein the first anchor
    2 is a releasable anchor.
- 1 18. A system as defined in claim 17 wherein the first anchor
  2 is configured for anchoring the first electrode to the
  3 myometrium.
- 1 19. A system as defined in claim 18 wherein the first anchor
   comprises a screw-in tip.

- 1 20. A system as defined in claim 19 wherein the screw-in tip
- 2 is a helical coil.
- 1 21. A system as defined in claim 19 wherein the first
- 2 electrode includes structure forming the screw-in tip.
- 1 22. A system as defined in claim 17 wherein the return
- 2 current path establishing means comprises a second
- 3 electrode adapted for making electrical contact with the
- 4 body.
- 1 23. A system as defined in claim 22 wherein the second
- 2 electrode is arranged for direct contact with the uterus.
- 1 24. A system as defined in claim 23 further including a
- 2 second anchor for anchoring the second electrode to the
- 3 uterus.
- 1 25. A system as defined in claim 24 wherein the second anchor
- 2 is arranged for anchoring the second electrode to the
- 3 myometrium.

- 1 26. A system as defined in claim 24 wherein the second anchor
- 2 is a releasable anchor.
- 1 27. A system as defined in claim 26 wherein the second anchor
- 2 includes a screw-in tip.
- 1 28. A system as defined in claim 26 wherein the second
- 2 electrode includes structure forming the second anchor.
- 1 29. A system as defined in claim 22 wherein the second
- 2 electrode is a surface electrode for making surface
- 3 contact with the body.
- 1 30. A system for detecting for uterine contractions and
- 2 stimulating a uterus of an animal having a body to
- 3 initiate uterine contractions when uterine contractions
- 4 are absent, the system comprising:
- 5 first and second electrodes for establishing a
- 6 return current path within the body;
- 7 an anchor for releasably anchoring at least one of
- 8 the electrodes to the uterus of the animal;
- 9 a detector coupled to the first and second
- 10 electrodes for detecting for uterine contractions; and

- a source of electrical energy responsive to the
  detector failing to detect uterine contractions for
  applying electrical energy to the first and second
  electrodes for initiating contractions of the uterus.
  - 1 31. A system for detecting for uterine contractions and
    2 stimulating a uterus of an animal to initiate
    3 contractions when uterine contractions are absent, the
    4 system comprising:
- 5 a sensor for sensing electrical activity of the 6 uterus;
- 7 a processor for analyzing the electrical activity of 8 the uterus; and
- an energy source for applying electrical energy to
  the uterus responsive to the processor when the
  electrical activity of the uterus fails to satisfy
  predetermined detection criteria.
- 1 32. A system for detecting for uterine contractions stimulating animal initiate 2 a uterus of an to contractions when uterine contractions are absent, the 3 system comprising:

- means for storing data associated with the sensed electrical activity of the uterus;
- 9 a processor for analyzing the stored data; and
- an energy source for applying electrical energy to
  the uterus to initiate contractions of the uterus
  responsive to the processor when the analyzed data fails
- to satisfy predetermined detection criteria.
- 14 33. A method of detecting for uterine contractions and
  15 stimulating a uterus of an animal to initiate uterine
  16 contractions when uterine contractions are absent, the
  17 method including the steps of:
- sensing electrical activity of the uterus;
- analyzing the electrical activity of the uterus; and
  applying electrical energy to the uterus to initiate
  contractions of the uterus when the analyzed electrical
  activity of the uterus fails to satisfy predetermined
  detection criteria.
- 1 34. A method of detecting for uterine contractions and 2 stimulating a uterus of an animal to initiate uterine

3	contractions when uterine contractions are absent, the
4	method including the steps of:
5	sensing electrical activity of the uterus;
6	generating data associated with the sensed
7	electrical activity;
8	storing the data associated with the sensed
9	electrical activity;
10	analyzing the stored data; and
11	applying electrical energy to the uterus to initiate
12	contractions of the uterus responsive to the analyzed
13	data failing to satisfy predetermined detection criteria.